

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/609,019
Filing Date	June 26, 2003
First Named Inventor	Richard K. Cooper
Art Unit	1632
Examiner Name	Anoop Kumar Singh
Attorney Docket Number	51687-0101 (287015)

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
/A.S./	1	US- 2004/0197910	10-2004	Cooper et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
/A.S./	2	WO00/23579A9	09-21-2000	The Regents of the Univ. of California		

Examiner Signature

/Anoop Singh/

Date Considered

09/25/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

**Complete if Known**

Application Number	10/609,019
Filing Date	June 26, 2003
First Named Inventor	Richard K. Cooper
Art Unit	1632
Examiner Name	Anoop Kumar Singh
Attorney Docket Number	51687/0101 (287015)

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	3	DIERICH, A. et al., Cell-Specificity of the Chicken ovalbumin and conalbumin promoters, EMBO Journal, 1987, pp. 2305-2312, 6(8)	X
	4	DUNHAM, REX A. et al., Enhanced Bacterial Disease Resistance of Transgenic Channel Catfish Ictalurus punctatus Possessing Cecropin Genes, Marine Biotechnology, June 2002, pp. 38-344, Vol. 4, No. Springer Verlag, New York, New York, US	X
	5	FISCHER, R., et al., Antibody production by molecular farming in plants, Journal of Biological Regulators and Homeostatic Agents, April 2000, pp. 83-92, Vol. 14, No. 2, Wichtig Editore, Milan, Italy	X
	6	GIDDINGS, GLYNIS, Transgenic plants as protein factories, Current Opinion in Biotechnology, October 2001, pp. 450-454, Vol. 12, No. 5, London, Great Britain	X
	7	SCHILLBERG, STEFAN et al., Apoplastic and cytosolic expression of full-size antibodies and antibody fragments in Nicotiana tabacum, Transgenic Research, August 1999, pp. 255-263, Vol. 8, No. 4	X
	8	SCHILLBERG, S. et al., Molecular farming of recombinant antibodies in plants, Cellular and Molecular Life Sciences, March 2003, pp. 433-445, Vol. 60, No. 3, Birkhauser Verlag, Heidelberg, Germany	X

Examiner  
Signature

/Anoop Singh/

Date  
Considered

09/25/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	10/609,019
Filing Date	June 26, 2003
First Named Inventor	Cooper, Richard K.
Art Unit	1632
Examiner Name	Singh, Anoop Kumar
Attorney Docket Number	51687-287015

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
/A.S./	1	US- 2004/0203158	10-14-2004	Hackett et al.	
	2	US- 2005/0004030	01-06-2005	Fischetti et al.	
	3	US- 2005/0198700	09-08-2005	Christmann et al.	
	4	US- 2005/0208038	09-22-2005	Fischetti et al.	
	5	US- 2005/0273872	12-08-2005	Sang et al.	
	6	US- 2005/0273873	12-08-2005	Christmann et al.	
	7	US- 2006/0046248	03-02-2006	Rapp et al.	
	8	US- 2006/0121509	06-08-2006	Hermiston et al.	
	9	US- 2006/0123488	06-08-2006	Ivarie et al.	
	10	US- 2006/0123504	06-08-2006	Leavitt et al.	
	11	US- 2006/0171921	08-03-2006	Ivarie et al.	
	12	US- 2006/0185024	08-17-2006	Ivarie et al.	
	13	US- 2006/0185029	08-17-2006	Ivarie et al.	
	14	US- 2006/0188478	08-24-2006	Ivarie et al.	
	15	US- 2006/0210977	09-21-2006	Kaminski	
	16	US- 2006/0218652	09-28-2006	Horn et al.	
	17	US- 2006/0236413	10-19-2006	Ivics et al.	
	18	US- 2006/0258603	11-16-2006	Ivics et al.	
	19	US- 2007/0009991	01-11-2007	Horseman et al.	
	20	US- 2007/0022485	01-25-2007	Tadedda et al.	
	21	US- 2007/0113299	05-17-2007	Harvey et al.	
	22	US- 6,602,686 B1	08-05-2003	Harrington et al.	
	23	US- 6,670,185 B1	12-30-2003	Harrington et al.	
	24	US- 6,716,823 B1	04-06-2004	Tang et al.	
	25	US- 6,852,510 B2	02-08-2005	Bremel et al.	
	26	US- 7,005,296 B1	02-28-2006	Handler	
	27	US- 7,019,193 B2	03-28-2006	Ditullio et al.	
	28	US- 7,034,115 B1	04-25-2006	Kawakami	
	29	US- 7,083,980 B2	08-01-2006	Reznikoff et al.	
	30	US- 7,105,343 B1	09-12-2006	Fraser, Jr. et al.	
	31	US- 7,129,390 B2	10-31-2006	Ivarie et al.	
	32	US- 7,160,682 B2	01-09-2007	Hackett et al.	
	33	US- 7,199,279 B2	04-03-2007	Rapp	

Examiner  
Signature

/Anoop Singh/

Date  
Considered

09/25/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Sheet	2	of	3
-------	---	----	---

09/25/2007

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

***If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.***

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3 of 3

**Complete if Known**

Application Number	10/609,019
Filing Date	June 26, 2003
First Named Inventor	Cooper, Richard K.
Art Unit	1632
Examiner Name	Singh, Anoop Kumar
Attorney Docket Number	51687-287015

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/A.S./	48	AU 2003261096 Examiner's First Report dated 06-07-2007	
	49	EP 037621729 First Office Action dated 06-09-2006	
	50	EP 037621729 Response to First Office Action dated 10-18-2006	
	51	EP 037621729 Second Office Action dated 11-23-2006	
	52	EP 037621729 Response to Second Office Action dated 04-02-2007	
	53	EP 037621729 Third Office Action dated 04-24-2007	
	54	EP 037621729 Response to Third Office Action dated 08-31-2007	
	55	EP 038085635 First Office Action dated 10-05-2005	
	56	EP 038085635 Response to First Office Action dated 10-18-2005	
	57	EP 038085635 Search Report dated 01-23-2007	
	58	EP 038085635 Search Report dated 04-12-2007	
	59	EP 038085635 Second Office Action dated 05-02-2007	
	60	EP 038002259 Office Action dated 08-30-2006	
	61	EP 038002259 Response to Office Action	
	62	IN 99/KOL NP/2005 Official Action dated 06-17-2006	
	63	PCT/US03/20389 Written Opinion dated 06-17-2004	
	64	PCT/US03/41261 International Search Report dated 11-03-2004	
	65	PCT/US03/41335 International Search Report dated 11-03-2004	
	66	PCT/US03/41269 International Search Report dated 05-18-2004	
	67	PCT/US04/043092 International Search Report and Written Opinion dated 05-11-2006	
/A.S./	68	VON SPECHT, M., English translation of Dissertation entitled Expression of a recombinant human protein in vitro and in vivo in oviduct cells of chickens, with human erythropoietin (hrEPO) as an example, 2002, pp. 49-68	
Examiner Signature	/Anoop Singh/		Date Considered 09/25/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.